

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/577,679A  
Source: 1FWD  
Date Processed by STIC: 12/21/06

# ***ENTERED***

## CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/577,679A

CRF Edit Date: 12/21/06  
Edited by: AK

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

✓ Deleted: ✓ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

\_\_\_ Other:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



IFWO

## RAW SEQUENCE LISTING

DATE: 12/21/2006

PATENT APPLICATION: US/10/577,679A

TIME: 10:52:46

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\12212006\J577679A.raw

```

3 <110> APPLICANT: Hardy, Britta
4     Battler, Alexander
5     Raiter, Annat
6     Kornowski, Ran
7     Weiss, Chana
9 <120> TITLE OF INVENTION: ANGIOGENIC PEPTIDES AND USES THEREOF
11 <130> FILE REFERENCE: 31831
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/577,679A
C--> 13 <141> CURRENT FILING DATE: 2006-04-28
13 <160> NUMBER OF SEQ ID NOS: 32
15 <170> SOFTWARE: PatentIn version 3.3
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 36
19 <212> TYPE: DNA
20 <213> ORGANISM: Artificial sequence
22 <220> FEATURE:
23 <223> OTHER INFORMATION: Phage displayed peptide DNA sequence
25 <400> SEQUENCE: 1
26 gttccgtgga tggagccggc ttatcagagg tttctg          36
29 <210> SEQ ID NO: 2
30 <211> LENGTH: 12
31 <212> TYPE: PRT
32 <213> ORGANISM: Artificial sequence
34 <220> FEATURE:
35 <223> OTHER INFORMATION: Phage displayed peptide
37 <400> SEQUENCE: 2
39 Val Pro Trp Met Glu Pro Ala Tyr Gln Arg Phe Leu
40 1           5           10
43 <210> SEQ ID NO: 3
44 <211> LENGTH: 36
45 <212> TYPE: DNA
46 <213> ORGANISM: Artificial sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: Phage displayed peptide DNA sequence
51 <400> SEQUENCE: 3
52 ctgcttgagg atacgacgca tcataggccg tggact          36
55 <210> SEQ ID NO: 4
56 <211> LENGTH: 12
57 <212> TYPE: PRT
58 <213> ORGANISM: Artificial sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Phage displayed peptide
63 <400> SEQUENCE: 4

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## RAW SEQUENCE LISTING

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65 Leu Leu Ala Asp Thr Thr His His Arg Pro Trp Thr
66 1          5          10
69 <210> SEQ ID NO: 5
70 <211> LENGTH: 36
71 <212> TYPE: DNA
72 <213> ORGANISM: Artificial sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Phage displayed peptide DNA sequence
77 <400> SEQUENCE: 5
78 cagccttggt tggagcaggc ttattatagt acgttt          36
81 <210> SEQ ID NO: 6
82 <211> LENGTH: 12
83 <212> TYPE: PRT
84 <213> ORGANISM: Artificial sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Phage displayed peptide
89 <400> SEQUENCE: 6
91 Gln Pro Trp Leu Glu Gln Ala Tyr Tyr Ser Thr Phe
92 1          5          10
95 <210> SEQ ID NO: 7
96 <211> LENGTH: 36
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Phage displayed peptide DNA sequence
103 <400> SEQUENCE: 7
104 tctgcgcatg ggacgtctac tgggtgttccg tggccg          36
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 12
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Phage displayed peptide
115 <400> SEQUENCE: 8
117 Ser Ala His Gly Thr Ser Thr Gly Val Pro Trp Pro
118 1          5          10
121 <210> SEQ ID NO: 9
122 <211> LENGTH: 36
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Phage displayed peptide DNA sequence
129 <400> SEQUENCE: 9
130 tatccgcata ttgattcgct tggtcattgg cggcgg          36
133 <210> SEQ ID NO: 10
134 <211> LENGTH: 12
135 <212> TYPE: PRT
136 <213> ORGANISM: Artificial sequence
138 <220> FEATURE:

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## RAW SEQUENCE LISTING

DATE: 12/21/2006

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TIME: 10:52:46

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\12212006\J577679A.raw

```

139 <223> OTHER INFORMATION: Phage displayed peptide
141 <400> SEQUENCE: 10
143 Tyr Pro His Ile Asp Ser Leu Gly His Trp Arg Arg
144 1          5          10
147 <210> SEQ ID NO: 11
148 <211> LENGTH: 36
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Phage displayed peptide DNA sequence
155 <400> SEQUENCE: 11
156 actttgccgt ggctggagga gtcttattgg cgtcct 36
159 <210> SEQ ID NO: 12
160 <211> LENGTH: 12
161 <212> TYPE: PRT
162 <213> ORGANISM: Artificial sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Phage displayed peptide
167 <400> SEQUENCE: 12
169 Thr Leu Pro Trp Leu Glu Glu Ser Tyr Trp Arg Pro
170 1          5          10
173 <210> SEQ ID NO: 13
174 <211> LENGTH: 6
175 <212> TYPE: PRT
176 <213> ORGANISM: Artificial sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Consensus motif derived from integration of biologically
active
180     phage displayed peptides
183 <220> FEATURE:
184 <221> NAME/KEY: misc_feature
185 <222> LOCATION: (3)..(3)
186 <223> OTHER INFORMATION: Leucine or Isoleucine
188 <220> FEATURE:
189 <221> NAME/KEY: misc_feature
190 <222> LOCATION: (4)..(4)
191 <223> OTHER INFORMATION: Aspartate or Glutamate
193 <220> FEATURE:
194 <221> NAME/KEY: misc_feature
195 <222> LOCATION: (5)..(5)
196 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
198 <400> SEQUENCE: 13
W--> 200 Pro Trp Xaa Xaa Xaa Tyr
201 1          5
204 <210> SEQ ID NO: 14
205 <211> LENGTH: 5
206 <212> TYPE: PRT
207 <213> ORGANISM: Artificial sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Synthetic peptide

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## RAW SEQUENCE LISTING

DATE: 12/21/2006

PATENT APPLICATION: US/10/577,679A

TIME: 10:52:46

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\12212006\J577679A.raw

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212 <400> SEQUENCE: 14
214 Val Pro Trp Leu Glu
215 1          5
218 <210> SEQ ID NO: 15
219 <211> LENGTH: 21
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Single strand DNA oligonucleotide
226 <400> SEQUENCE: 15
227 ctacctccac catgccaagt g                               21
230 <210> SEQ ID NO: 16
231 <211> LENGTH: 21
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Single strand DNA oligonucleotide
238 <400> SEQUENCE: 16
239 tgcgctgata gacatccatg a                               21
242 <210> SEQ ID NO: 17
243 <211> LENGTH: 20
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Single strand DNA oligonucleotide
250 <400> SEQUENCE: 17
251 ttcttgccga tgcattgtcta                               20
254 <210> SEQ ID NO: 18
255 <211> LENGTH: 20
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Single strand DNA oligonucleotide
262 <400> SEQUENCE: 18
263 tgttcgctgc ctgacactgt                               20
266 <210> SEQ ID NO: 19
267 <211> LENGTH: 23
268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Single strand DNA oligonucleotide
274 <400> SEQUENCE: 19
275 tcaggcagct cacagtccta gag                               23
278 <210> SEQ ID NO: 20
279 <211> LENGTH: 24
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Single strand DNA oligonucleotide

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## RAW SEQUENCE LISTING

DATE: 12/21/2006

PATENT APPLICATION: US/10/577,679A

TIME: 10:52:46

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\12212006\J577679A.raw

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286 <400> SEQUENCE: 20
287 acttgctcgtc tgattctcca gggtt                24
290 <210> SEQ ID NO: 21
291 <211> LENGTH: 21
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Single strand DNA oligonucleotide
298 <400> SEQUENCE: 21
299 tcagcgcgatg gcaataatag a                    21
302 <210> SEQ ID NO: 22
303 <211> LENGTH: 24
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Single strand DNA oligonucleotide
310 <400> SEQUENCE: 22
311 accaaggtgc tagccatctt attc                24
314 <210> SEQ ID NO: 23
315 <211> LENGTH: 24
316 <212> TYPE: DNA
317 <213> ORGANISM: Artificial sequence
319 <220> FEATURE:
320 <223> OTHER INFORMATION: Single strand DNA oligonucleotide
322 <400> SEQUENCE: 23
323 agtgtaccct aactagccga ggaa                24
326 <210> SEQ ID NO: 24
327 <211> LENGTH: 21
328 <212> TYPE: DNA
329 <213> ORGANISM: Artificial sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: Single strand DNA oligonucleotide
334 <400> SEQUENCE: 24
335 gcctgtgcag tgcaatacct t                    21
338 <210> SEQ ID NO: 25
339 <211> LENGTH: 20
340 <212> TYPE: DNA
341 <213> ORGANISM: Artificial sequence
343 <220> FEATURE:
344 <223> OTHER INFORMATION: Single strand DNA oligonucleotide
346 <400> SEQUENCE: 25
347 gtcggagtca acggatttgg                    20
350 <210> SEQ ID NO: 26
351 <211> LENGTH: 26
352 <212> TYPE: DNA
353 <213> ORGANISM: Artificial sequence
355 <220> FEATURE:
356 <223> OTHER INFORMATION: Single strand DNA oligonucleotide
358 <400> SEQUENCE: 26

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/577,679A

DATE: 12/21/2006  
TIME: 10:52:47

FYI

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF4\12212006\J577679A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:13; Xaa Pos. 3,4,5  
Seq#:27; Xaa Pos. 3,4,5,6  
Seq#:32; Xaa Pos. 3,4,5,6



**VERIFICATION SUMMARY**

DATE: 12/21/2006

PATENT APPLICATION: US/10/577,679A

TIME: 10:52:47

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\12212006\J577679A.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0

L:389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0

L:518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0

**Raw Sequence Listing before editing  
(for reference only)**



IFWO

## RAW SEQUENCE LISTING

DATE: 12/19/2006

PATENT APPLICATION: US/10/577,679A

TIME: 10:49:22

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\12192006\J577679A.raw

3 <110> APPLICANT: Hardy, Britta  
 4 Battler, Alexander  
 5 Raiter, Annat  
 6 Kornowski, Ran  
 7 Weiss, Chana  
 9 <120> TITLE OF INVENTION: ANGIOGENIC PEPTIDES AND USES THEREOF  
 11 <130> FILE REFERENCE: 31831  
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/577,679A  
 C--> 13 <141> CURRENT FILING DATE: 2006-04-28  
 13 <160> NUMBER OF SEQ ID NOS: 32  
 15 <170> SOFTWARE: PatentIn version 3.3

## ERRORED SEQUENCES

501 <210> SEQ ID NO: 32  
 502 <211> LENGTH: 7  
 503 <212> TYPE: PRT  
 504 <213> ORGANISM: Artificial sequence  
 506 <220> FEATURE:  
 507 <223> OTHER INFORMATION: Consensus motif derived from integration of biologically  
 active  
 508 phage displayed peptides  
 511 <220> FEATURE:  
 512 <221> NAME/KEY: misc\_feature  
 513 <222> LOCATION: (3)..(6)  
 514 <223> OTHER INFORMATION: Any amino acid  
 516 <400> SEQUENCE: 32  
 W--> 518 Pro Trp Xaa Xaa Xaa Xaa Tyr  
 519 1 5  
 E--> 525 1

Does Not Comply  
Corrected Diskette Needed

**VERIFICATION SUMMARY**

DATE: 12/19/2006

PATENT APPLICATION: US/10/577,679A

TIME: 10:49:23

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\12192006\J577679A.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No  
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0  
L:518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0  
L:525 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:32